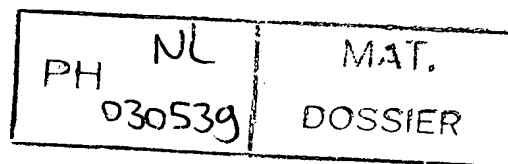


# EUROPEAN PATENT OFFICE

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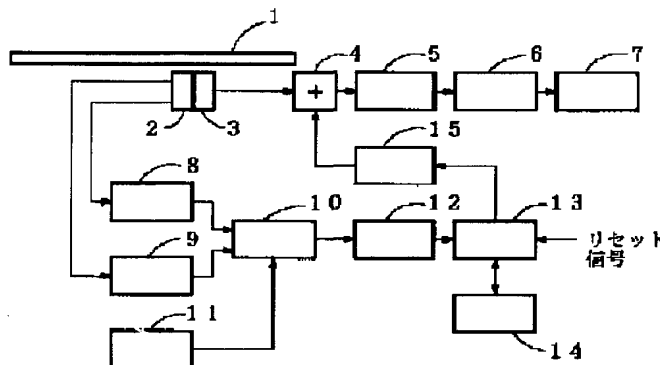
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APPLICANT : RICOH CO LTD;

INVENTOR : YAMAMOTO NORIHIRO;

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G11B 19/10

TITLE : TILT SERVO APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To provide a tilt servo apparatus adapted to overlap an optimum offset voltage, when it is in use.

SOLUTION: In this tilt servo apparatus, the output of a tilt sensor 3 is inputted to a tilt mechanism 7, thereby controlling an optical pickup 2 to be perpendicular to a disk 1. The tilt servo apparatus includes a voltage sweep means for sweeping voltages of a predetermined prescribed set range and outputting the voltage overlapping with the output of the tilt sensor to the tilt mechanism 7, an offset voltage record means for recording the output voltage value outputted from the voltage sweep means, which makes the amplitude of RF signals of the optical pickup 2 maximum, and an offset correct means for outputting a reverse voltage equal to the record value recorded in the offset voltage record means, overlapped with the output of the tilt sensor to the tilt mechanism, when the tilt servo apparatus drives.

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